

PROCESS FOR PRODUCING COLD FIELD-EMISSION CATHODES

ABSTRACT OF THE DISCLOSURE

A process for producing a cold field-emission cathode by patterning an aligned carbon nanotube film on a surface of a substrate for electrode, comprising the steps of preparing an aligned carbon nanotube film on a surface of a basic substrate, patterning a conductive binder on a surface of a substrate for electrode, and bonding a surface of the aligned carbon nanotube film to a surface of the conductive binder and then transferring the aligned carbon nanotube film by stripping the basic substrate, leaving those portions of the aligned carbon nanotube film behind which have been bonded to the conductive binder.